

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

1) RHEE, Sangki; 2) SONG, Kibang 3) KIM, Chulho; 4) RYU, Eunja;  
5) LEE, Yongbok

International Application No. PCT/KR00/0118

Serial No. NOT YET ASSIGNED

International Filing Date: 19 October 2000 (19 October 2000)

Filed: June 18, 2001For: **ENZYMATIC PRODUCTION OF DIFRUCTOSE DIANHYDRIDE IV FROM  
SUCROSE AND RELEVANT ENZYMES AND GENES CODING FOR THEM**09/868328  
JC03 Rec'd PCT/PTC  
18 JUN 2001**TRANSMITTAL LETTER**Commissioner of Patents  
Washington, D.C. 20231

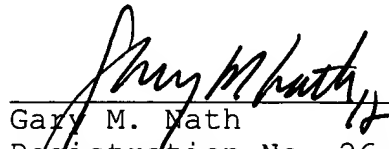
Sir:

Submitted herewith for filing in the U.S. Patent and Trademark  
Office is the following:

- (1) Transmittal Letter
- (2) Transmittal Letter To U.S. Designated/Elected Office  
(DO/EO/US) Concerning Filing under 35 U.S.C. 371
- (3) International Publication No: WO 01/29185 A1  
International Publication Date: 26 April 2001 (26.04.01)  
consisting of ~~63~~ pages including:
  - 1 Cover sheet containing the Abstract
  - ~~43~~ Pages Textual Specification
  - 1 Page Receipt in the Case of an Original Deposit
  - 6 Pages of 24 claims
  - ~~9~~ Sheets of Drawings
- (4) Preliminary Amendment with clean copy  
~~6~~ Pages Sequence Listing
- (5) Unexecuted Inventor's Declaration
- (6) PCT/ISA/220 Notification of Transmittal of the International  
Search Report or Declaration
- (7) PCT/ISA/210 International Search Report
- (8) PCT/RO/101 Request
- (9) PCT/IB/301 Notification of Receipt of Record Copy
- (10) Check No. 14945 \$616.00 for Government Filing Fee as a  
small entity
- (11) Postcard for early notification of serial number.

Respectfully submitted,  
**NATH & ASSOCIATES PLLC**

By:

  
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U.S. DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE		DATE: 18 June 2001 (18.06.2001)
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPL. NO. (if known): Not Yet Assigned
INTERNATIONAL APPLICATION NO.: PCT/KR00/01183	INTERNATIONAL FILING DATE: 19 October 2000 (19.10.00)	PRIORITY DATE CLAIMED: 19 October 1999 (19.10.99)
TITLE OF INVENTION: ENZYMATIC PRODUCTION OF DIFRUCTOSE DIANHYDRIDE IV FROM SUCROSE AND RELEVANT ENZYMES AND GENES CODING FOR THEM		
APPLICANT(S) FOR DO/EO/US: 1) RHEE, Sangki; 2) SONG, Kibang; 3) KIM, Chulho; 4) RYU, Eunja; 5) LEE, Yongbok		
Applicant hereby submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This express request to begin national examination procedures (35 USC 371(f)) The submission must include items(5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)):</p> <p style="margin-left: 40px;">a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</p> <p style="margin-left: 40px;">b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p style="margin-left: 40px;">c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input type="checkbox"/> A English translation of the International Application as filed (35 U.S.C. 371(c)(2).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p style="margin-left: 40px;">a. <input type="checkbox"/> are attached hereto (required only if not transmitted by the International Bureau).</p> <p style="margin-left: 40px;">b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p style="margin-left: 40px;">c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p style="margin-left: 40px;">d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p><b>ITEMS 11 to 20 BELOW CONCERN OTHER DOCUMENT(S) OR INFORMATION INCLUDED:</b></p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</p> <p>14. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter2 and 35 USC 1821 - 1825</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 USC 154(d)(4)</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 USC 154(d)(4)</p> <p>20. <input checked="" type="checkbox"/> Other items or information:</p> <p>TRANSMITTAL FORM; FEE CALCULATION; INTERNATIONAL PUBLICATION WO 01/29185 A1 WITH; INTERNATIONAL PUBLICATION DATE 26 APRIL 2001 CONSISTING OF 68 PAGES INCLUDING; 45 PAGES TEXTUAL SPECIFICATION, 1 PAGE RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT; 6 PAGES OF 24 CLAIMS; 1 COVER SHEET CONTAINING THE ABSTRACT; 9 SHEETS DRAWINGS; 6 PAGES SEQUENCE LISTING; PRELIMINARY AMENDMENT WITH CLEAN COPY; UNEXECUTED INVENTOR'S DECLARATION; PCT/ISA/220 NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR DECLARATION; PCT/ISA/210 INTERNATIONAL SEARCH REPORT; UNEXECUTED INVENTOR'S DECLARATION; PCT/RO/101 REQUEST; PCT/IB/301 NOTIFICATION OF RECEIPT OF RECORD COPY.</p>		



ATTORNEY'S DOCKET NO: 24679

<b>09/868328</b> U.S. APPLICATION NO. (if known) not yet assigned	INTERNATIONAL APPLICATION NO.  <b>PCT/KR00/01183</b>	DATE: <b>18</b> June 2001 ( <del>18</del> .06.2001)
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a. ☒ One check in the amount of \$616.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. 14-0112 in the amount of \$ \_\_\_\_\_ to cover the above fees. (A duplicate copy of this sheet is enclosed.)

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0112.

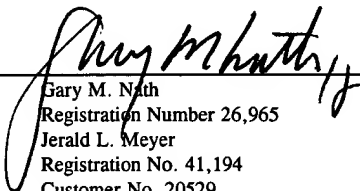
d. Fees are to be charged to a credit card ☐ WARNING: Information on this form may become public ☐ Credit Card Information should not be included on this form. ☐ Provide credit card information and authorization on PTO-2038 ☐

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed to request that the application be restored to pending status.

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